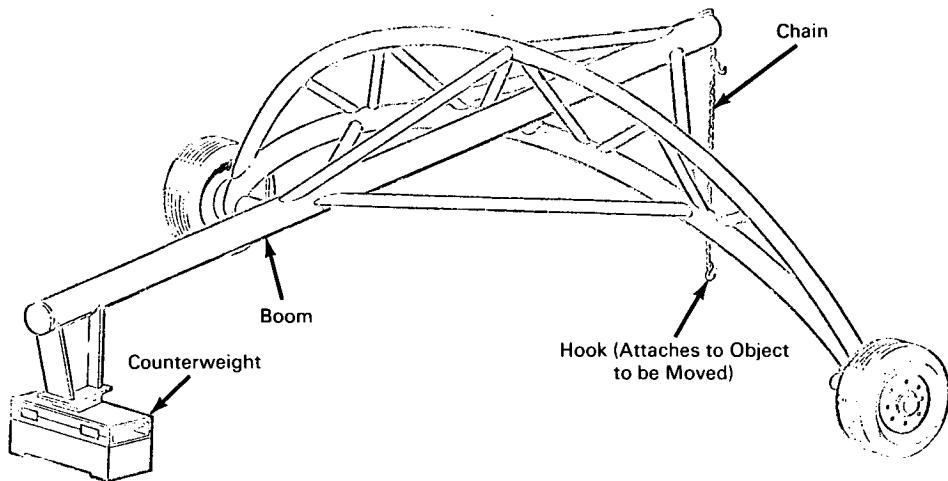


NASA TECH BRIEF



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Hoisting Frame Facilitates Handling of Large Objects



It has been necessary to use a large boom or gantry crane to move large, 33-foot, spreader bars from storage areas. Such large mobile hoists are not always available and are quite slow in operation.

The hoisting frame shown in the illustration can be used with a standard 5-ton forklift to handle the large spreader bars, or other bulky pieces of equipment, much faster and more efficiently than with a boom or gantry crane. In addition, forklifts of this type are more readily available.

To operate the hoisting frame, the forklift operator inserts the forks into the counterweight and, after raising the forks to clear the ground, he can then maneuver the end of the boom into a position over the eye of the spreader bar. The chain hook on the end of the boom is then attached to the eye of the spreader bar, and when the forks are lowered approximately one foot, the spreader bar rises off the ground, enabling the forklift to move the spreader bar (or other mass) to any desired location.

Note:

No documentation is available. Inquiries may be directed to:

Technology Utilization Officer
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No patent action is contemplated by NASA.

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